



## **Process for the application of a protective and decorative laminar**

**Description of Technology:** This invention relates to a process for providing the surface of electrically conductive three-dimensional substrates with a protective and decorative laminar structure and to the resultant laminar structures.

### **Patent Listing:**

1. **US Patent No. 6,811,665**, Issued November 2, 2004, "Process for the application of a protective and decorative laminar"

<http://patft.uspto.gov/netacgi/nph-Parser?Sect2=PTO1&Sect2=HITOFF&p=1&u=%2Fnetacgi%2FPTO%2Fsearch-bool.html&r=1&f=G&l=50&d=PALL&RefSrch=yes&Query=PN%2F6811665>

**Market Potential:** Modern automotive original lacquer coatings usually consist of a base coat/clear topcoat lacquer coating, which is applied onto a body which has been electrophoretically primed and coated with surfacer. In such coatings, the surfacer, base coat lacquer and clear lacquer are applied by spraying. Large quantities of problematic lacquer sludge are formed during the spray application in the lacquer coating process. The lacquer coating process demands elaborate logistics on the part of the vehicle manufacturer due not only to the multiple lacquer layers of different lacquer materials to be applied but also to the numerous shades in which some of the lacquer layers are produced. The base lacquer layers are thus applied in various different shades, as are the surfacer layers too by many automotive manufacturers.

### **Benefits:**

- Avoids lacquer waste
- Motor vehicles are provided with protective coating and decorative finish.
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### **Applications:**

- Automotive

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